

Cancel/a

Figure 2A

GCGAGGCAGGCAGCCTGGAGAGAAGGCG	28
CTGGGCTGCGAGGGCGCGAGGGCGCGAGGGGCAGGGGGCAACCGGACCCCGCCCGCATCC	87
ATG GCG CCC GTC GCC GTC TGG GCC GCG CTG GCC GTC GGA CTG GAG	132
Met Ala Pro Val Ala Val Trp Ala Ala Leu Ala Val Gly Leu Glu	-2
CTC TGG GCT GCG GCG CAC GCC TTG CCC GCC CAG GTG GCA TTT ACA	177
Leu Trp Ala Ala Ala His Ala <u>Leu</u> Pro Ala Gln Val Ala Phe Thr	8
CCC TAC GCC CCG GAG CCC GGG AGC ACA TGC CGG CTC AGA GAA TAC	222
Pro Tyr Ala Pro Glu Pro Gly Ser Thr Cys Arg Leu Arg Glu Tyr	23
TAT GAC CAG ACA GCT CAG ATG TGC TGC AGC AAA TGC TCG CCG GGC	267
Tyr Asp Gln Thr Ala Gln Met Cys Cys Ser Lys Cys Ser Pro Gly	38
CAA CAT GCA AAA GTC TTC TGT ACC AAG ACC TCG GAC ACC GTG TGT	312
Gln His Ala Lys Val Phe Cys Thr Lys Thr Ser Asp Thr Val Cys	53
GAC TCC TGT GAG GAC AGC ACA TAC ACC CAG CTC TGG AAC TGG GTT	357
Asp Ser Cys Glu Asp Ser Thr Tyr Thr Gln Leu Trp Asn Trp Val	62
CCC GAG TGC TTG AGC TGT GGC TCC CGC TGT AGC TCT GAC CAG GTG	402
Pro Glu Cys Leu Ser Cys Gly Ser Arg Cys Ser Ser Asp Gln Val	83
GAA ACT CAA GCC TGC ACT CGG GAA CAG AAC CGC ATC TGC ACC TGC	447
Glu Thr Gln Ala Cys Thr Arg Glu Gln Asn Arg Ile Cys Thr Cys	98
AGG CCC GGC TGG TAC TGC GCG CTG AGC AAG CAG GAG GGG TGC CGG	492
Arg Pro Gly Trp Tyr Cys Ala Leu Ser Lys Gln Glu Gly Cys Arg	113
CTG TGC GCG CCG CTG CGC AAG TGC CGC CCG GGC TTC GGC GTG GCC	537
Leu Cys Ala Pro Leu Arg Lys Cys Arg Pro Gly Phe Gly Val Ala	128
AGA CCA GGA ACT GAA ACA TCA GAC GTG GTG TGC AAG CCC TGT GCC	582
Arg Pro Gly Thr Glu Thr Ser Asp Val Val Cys Lys Pro Cys Ala	143
CCG GGG ACG TTC TCC AAC ACG ACT TCA TCC ACG GAT ATT TGC AGG	627
Pro Gly Thr Phe Ser Asn Thr Thr Ser Ser Thr Asp Ile Cys Arg	158
CCC CAC CAG ATC TGT AAC GTG GTG GCC ATC CCT GGG AAT GCA AGC	672
Pro His Gln Ile Cys <u>Asn</u> Val Val Ala Ile Pro Gly Asn Ala Ser	173
ATG GAT GCA GTC TGC ACG TCC ACG TCC CCC ACC CGG AGT ATG GCC	717
Met Asp Ala Val Cys Thr Ser Thr Ser Pro Thr Arg <u>Ser</u> Met Ala	188
CCA GGG GCA GTA CAC TTA CCC CAG CCA GTG TCC ACA CGA TCC CAA	762
Pro Gly Ala Val His Leu Pro Gln Pro Val Ser Thr Arg Ser Gln	203
CAC ACG CAG CCA ACT CCA GAA CCC AGC ACT GCT CCA AGC ACC TCC	807
His Thr Gln Pro Thr Pro Glu Pro Ser Thr Ala Pro Ser Thr Ser	218
TTC CTG CTC CCA ATG GGC CCC AGC CCC CCA GCT GAA GGG AGC ACT	852
Phe Leu Leu Pro Met Gly Pro Ser Pro Pro Ala Glu Gly Ser Thr	233
GGC GAC TTC GCT CTT CCA GTT GGA CTG ATT GTG GGT GTG ACA GCC	897
Gly Asp <u>Phe</u> Ala <u>Leu</u> Pro <u>Val</u> Gly <u>Leu</u> Ile <u>Val</u> Gly <u>Val</u> Thr <u>Ala</u>	248
TTG GGT CTA CTA ATA ATA GGA GTG GTG AAC TGT GTC ATC ATG ACC	942
<u>Leu</u> Gly <u>Leu</u> <u>Leu</u> Ile Ile Gly Val Val Asn Cys Val Ile Met Thr	263

09144502 "083198

Cancel/a

Figure 2B

CAG GTG AAA AAG AAG CCC TTG TGC CTG CAG AGA GAA GCC AAG GTG	987
Gln Val Lys Lys Lys Pro Leu Cys Leu Gln Arg Glu Ala Lys Val	278
CCT CAC TTG CCT GCC GAT AAG GCC CGG GGT ACA CAG GGC CCC GAG	1032
Pro His Leu Pro Ala Asp Lys Ala Arg Gly Thr Gln Gly Pro Glu	293
CAG CAG CAC CTG CTG ATC ACA GCG CCG AGC TCC AGC AGC AGC TCC	1077
Gln Gln His Leu Leu Ile Thr Ala Pro Ser Ser Ser Ser Ser Ser	308
CTG GAG AGC TCG GCC AGT GCG TTG GAC AGA AGG GCG CCC ACT CGG	1122
Leu Glu Ser Ser Ala Ser Ala Leu Asp Arg Arg Ala Pro Thr Arg	323
AAC CAG CCA CAG GCA CCA GGC GTG GAG GCC AGT GGG GCC GGG GAG	1167
Asn Gln Pro Gln Ala Pro Gly Val Glu Ala Ser Gly Ala Gly Glu	338
GCC CGG GCC AGC ACC GGG AGC TCA GAT TCT TCC CCT GGT GGC CAT	1212
Ala Arg Ala Ser Thr Gly Ser Ser Asp Ser Ser Pro Gly Gly His	353
GGG ACC CAG GTC AAT GTC ACC TGC ATC GTG AAC GTC TGT AGC AGC	1257
Gly Thr Gln Val Asn Val Thr Cys Ile Val Asn Val Cys Ser Ser	368
TCT GAC CAC AGC TCA CAG TGC TCC TCC CAA GCC AGC TCC ACA ATG	1302
Ser Asp His Ser Ser Gln Cys Ser Ser Gln Ala Ser Ser Thr Met	383
GGA GAC ACA GAT TCC AGC CCC TCG GAG TCC CCG AAG GAC GAG CAG	1347
Gly Asp Thr Asp Ser Ser Pro Ser Glu Ser Pro Lys Asp Glu Gln	398
GTC CCC TTC TCC AAG GAG GAA TGT GCC TTT CGG TCA CAG CTG GAG	1392
Val Pro Phe Ser Lys Glu Glu Cys Ala Phe Arg Ser Gln Leu Glu	413
ACG CCA GAG ACC CTG CTG GGG AGC ACC GAA GAG AAG CCC CTG CCC	1437
Thr Pro Glu Thr Leu Leu Gly Ser Thr Glu Glu Lys Pro Leu Pro	428
CTT GGA GTG CCT GAT GCT GGG ATG AAG CCC AGT	1470
Leu Gly Val Pro Asp Ala Gly Met Lys Pro Ser	439
TAACCAGGCCGGTGTGGGCTGTGTCGTAGCCAAGGTGGGCTGAGCCCTGGCAGGATGAC	
CCTGCGAAGGGGCCCTGGTCCTTCCAGGCCCCCACTAGGACTCTGAGGCTCTTTCT	
GGGCCAAGTTCCTCTAGTGCCCTCCACAGCCGAGCCTCCCTCTGACCTGCAG...	

09144502 083198

Cancel/a

Figure 3A

	CGCAGCTGAGGCACTAGAGCTCC	23
AGGCACAAGGGCGGGAGCCACCGCTGCCCT	ATG GCG CCC GCC GCC CTC TGG	75
	Met Ala Pro Ala Ala Leu Trp	-16
GTC GCG CTG GTC TTC GAA CTG CAG CTG TGG GCC ACC GGG CAC ACA		120
Val Ala Leu Val Phe Glu Leu Gln Leu Trp Ala Thr Gly His Thr		-1
GTG CCC GCC CAG GTT GTC TTG ACA CCC TAC AAA CCG GAA CCT GGG		165
Val Pro Ala Gln Val Val Leu Thr Pro Tyr Lys Pro Glu Pro Gly		15
TAC GAG TGC CAG ATC TCA CAG GAA TAC TAT GAC AGG AAG GCT CAG		210
Tyr Glu Cys Gln Ile Ser Gln Glu Tyr Tyr Asp Arg Lys Ala Gln		30
ATG TGC TGT GCT AAG TGT CCT CCT GGC CAA TAT GTG AAA CAT TTC		255
Met Cys Cys Ala Lys Cys Pro Pro Gly Gln Tyr Val Lys His Phe		45
TGC AAC AAG ACC TCG GAC ACC GTG TGT GCG GAC TGT GAG GCA AGC		300
Cys Asn Lys Thr Ser Asp Thr Val Cys Ala Asp Cys Glu Ala Ser		60
ATG TAT ACC CAG GTC TGG AAC CAG TTT CGT ACA TGT TTG AGC TGC		345
Met Tyr Thr Gln Val Trp Asn Gln Phe Arg Thr Cys Leu Ser Cys		75
AGT TCT TCC TGT ACC ACT GAC CAG GTG GAG ATC CGC GCC TGC ACT		390
Ser Ser Ser Cys Thr Thr Asp Gln Val Glu Ile Arg Ala Cys Thr		90
AAA CAG CAG AAC CGA GTG TGT GCT TGC GAA GCT GGC AGG TAC Tgc		435
Lys Gln Gln Asn Arg Val Cys Ala Cys Glu Ala Gly Arg Tyr Cys		105
GCC TTG AAA ACC CAT TCT GGC AGC TGT CGA CAG TGC ATG AGG CTG		480
Ala Leu Lys Thr His Ser Gly Ser Cys Arg Gln Cys Met Arg Leu		120
AGC AAG TGC GGC CCT GGC TTC GGA GTG GCC AGT TCA AGA GCC CCA		525
Ser Lys Cys Gly Pro Gly Phe Gly Val Ala Ser Ser Arg Ala Pro		135
AAT GGA AAT GTG CTA TGC AAG GCC TGT GCC CCA GGG ACG TTC TCT		570
Asn Gly Asn Val Leu Cys Lys Ala Cys Ala Pro Gly Thr Phe Ser		150
GAC ACC ACA TCA TCC ACT GAT GTG TGC AGG CCC CAC CGC ATC TGT		615
Asp Thr Thr Ser Ser Thr Asp Val Cys Arg Pro His Arg Ile Cys		165
AGC ATC CTG GCT ATT CCC GGA AAT GCA AGC ACA GAT GCA GTC TGT		660
Ser Ile Leu Ala Ile Pro Gly Asn Ala Ser Thr Asp Ala Val Cys		180
GCG CCC GAG TCC CCA ACT CTA AGT GCC ATC CCA AGG ACA CTC TAC		705
Ala Pro Glu Ser Pro Thr Leu Ser Ala Ile Pro Arg Thr Leu Tyr		195
GTA TCT CAG CCA GAG CCC ACA AGA TCC CAA CCC CTG GAT CAA GAG		750
Val Ser Gln Pro Glu Pro Thr Arg Ser Gln Pro Leu Asp Gln Glu		210
CCA GGG CCC AGC CAA ACT CCA AGC ATC CTT ACA TCG TTG GGT TCA		795
Pro Gly Pro Ser Gln Thr Pro Ser Ile Leu Thr Ser Leu Gly Ser		225
ACC CCC ATT ATT GAA CAA AGT ACC AAG GGT GGC ATC TCT CTT CCA		840
Thr Pro Ile Ile Glu Gln Ser Thr Lys Gly Gly Ile Ser Leu Pro		240
ATT GGT CTG ATT GTT GGA GTG ACA TCA CTG GGT CTG CTG ATG TTA		885
Ile Gly Leu Ile Val Gly Val Thr Ser Leu Gly Leu Leu Met Leu		255

09144502-083198

Casul/a

Figure 3B

GGA CTG GTG AAC TGC ATC ATC CTG GTG CAG AGG AAA AAG AAG CCC	930
Gly Leu Val Asn Cys Ile Ile Leu Val Gln Arg Lys Lys Lys Pro	270
TCC TGC CTA CAA AGA GAT GCC AAG GTG CCT CAT GTG CCT GAT GAG	975
Ser Cys Leu Gln Arg Asp Ala Lys Val Pro His Val Pro Asp Glu	285
AAA TCC CAG GAT GCA GTA GGC CTT GAG CAG CAG CAC CTG TTG ACC	1020
Lys Ser Gln Asp Ala Val Gly Leu Glu Gln Gln His Leu Leu Thr	300
AC GCA CCC AGT TCC AGC AGC AGC TCC CTA GAG AGC TCA GCC AGC	1065
Thr Ala Pro Ser Ser Ser Ser Ser Ser Leu Glu Ser Ser Ala Ser	315
GCT GGG GAC CGA AGG GCG CCC CCT GGG GGC CAT CCC CAA GCA AGA	1110
Ala Gly Asp Arg Arg Ala Pro Pro Gly Gly His Pro Gln Ala Arg	330
GTC ATG GCG GAG GCC CAA GGG TTT CAG GAG GCC CGT GCC AGC TCC	1155
Val Met Ala Glu Ala Gln Gly Phe Gln Glu Ala Arg Ala Ser Ser	345
AGG ATT TCA GAT TCT TCC CAC GGA AGC CAC GGG ACC CAC GTC AAC	1200
Arg Ile Ser Asp Ser Ser His Gly Ser His Gly Thr His Val Asn	360
GTC ACC TGC ATC GTG AAC GTC TGT AGC AGC TCT GAC CAC AGT TCT	1245
Val Thr Cys Ile Val Asn Val Cys Ser Ser Ser Asp His Ser Ser	375
CAG TGC TCT TCC CAA GCC AGC GCC ACA GTG GGA GAC CCA GAT GCC	1290
Gln Cys Ser Ser Gln Ala Ser Ala Thr Val Gly Asp Pro Asp Ala	390
AAG CCC TCA GCG TCC CCA AAG GAT GAG CAG GTC CCC TTC TCT CAG	1335
Lys Pro Ser Ala Ser Pro Lys Asp Glu Gln Val Pro Phe Ser Gln	405
GAG GAG TGT CCG TCT CAG TCC CCG TGT GAG ACT ACA GAG ACA CTG	1380
Glu Glu Cys Pro Ser Gln Ser Pro Cys Glu Thr Thr Glu Thr Leu	420
CAG AGC CAT GAG AAG CCC TTG CCC CTT GGT GTG CCG GAT ATG GGC	1425
Gln Ser His Glu Lys Pro Leu Pro Leu Gly Val Pro Asp Met Gly	435
ATG AAG CCC AGC CAA GCT GGC TGG TTT GAT CAG ATT GCA GTC AAA	1470
Met Lys Pro Ser Gln Ala Gly Trp Phe Asp Gln Ile Ala Val Lys	450
GTG GCC	1476
Val Ala	452
TGACCCCTGACAGGGGTAACACCCTGCAAAGGGACCCCGAGACCCTGAACCCATGGAAC	1536
TTCATGACTTTTGTGCTGGATCCATTTCCCTTAGTGGCTTCCAGAGCCCCAGTTGCAGGTCA	1596
AGTGAGGGCTGAGACAGCTAGAGTGGTCAAAAAGTCCATGGTGTGTTTATGGGGGAGTC	1656
CCAGGAAGTTGTTGCTCTTCCATGACCCCTCTGGATCTCTGGGCTCTTGCCCTGATTCTT	1716
GCTTCTGAGAGGCCCCAGTATTTTTCTTCTAAGGAGCTAACATCCTCTTCCATGAATA	1776
GCACAGCTCTTCAGCCTGAATGCTGACACTGCAGGGCGGTTCCAGCAAGTAGGAGCAAGT	1836
GGTGGCCTGGTAGGGCACAGAGGCCCTTCAGGTTAGTGCTAAACTCTTAGGAAGTACCCT	1896
CTCCAAGCCACCGAAATCTTTTGATGCAAGAATCAGAGGCCCATCAGGCAGAGTTGC	1956
TCTGTTATAGGATGGTAGGGCTGTAACCTCAGTGGTCCAGTGTGCTTTTAGCATGCCCTGG	2016
GTTTGATCCTCAGCAACACATGCAAAACGTAAGTAGACAGCAGACAGCAGACAGC	2076
CAGCCCCCTGTGTGGTTTGCAGCCTCTGCCTTTGACTTTTACTCTGGTGGGCACACAGAG	2136
GGCTGGAGCTCCTCCTCTGACCTTCTAATGAGCCCTTCCAAGGCCAGCCCTTCTTCAG	2196
GGAATCTCAGGGACTGTAGAGTTCCCAGGCCCTGCAGCCACCTGTCTCTTCTACCTCA	2256
GCCTGGAGCACTCCCTCTAACTCCCAACGCTTGGTACTGTACTTGTGTGACCCCAAC	2316
GTGCATTGTCCGGGTTAGGCACTGTGAGTTGGAACAGCTCATGACATCGGTTGAAAGGCC	2376
CACCCGGAACAGCTAAGCCAGCTCTTTTGCCAAAGGATTCATGCCGGTTTTCTAATCA	2436
CCTGCTCCCTAGCATTTGCCTGGAAGGAAAGGGTTTCAGGAGACTCCTCAAGAAGCAAGTTC	2496
AGTCTCAGGTGCTTGGATGCCATGCTCACCGATTCCACTGGATATGAACTTGGCAGAGGA	2556

09144502 083198

060618Z JUL 68